



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

James J. Howarth

Serial No.: 09/944,472

Filed: August 30, 2001

For: METHOD OF BALL GRID ARRAY
(BGA) ALIGNMENT, METHOD OF
TESTING, ALIGNMENT APPARATUS
AND SEMICONDUCTOR DEVICE
ASSEMBLY

Confirmation No.: 1559

Examiner: J. Diaz

Group Art Unit: 2815

Attorney Docket No.: 2269-4348US
MUEI-0547.00/US

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

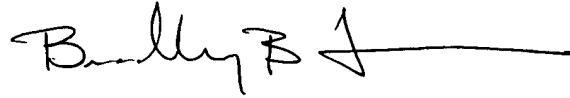
<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 4,744,140	May 17, 1988	Bright
US - 5,690,504	November 25, 1997	Scanlan et al.
US - 5,805,427	September 8, 1998	Hoffman
US - 5,810,609	Sept. 22, 1998	Faraci et al.
US - 5,829,988	November 3, 1998	McMillan et al.
US - 5,887,344	March 30, 1999	Sinclair
US - 5,895,554	April 20, 1999	Gordon
US - Re. 36,217	June 1, 1999	Petersen
US - 5,924,622	July 20, 1999	Davis et al.
US - 5,930,889	August 3, 1999	Klein
US - 5,987,742	November 23, 1999	Acciai et al.
US - 6,333,638	December 25, 2001	Fukasawa et al.
US - 6,384,360	May 7, 2002	Masuo et al.
US - 6,561,836	May 13, 2003	Marshall et al.
US - 6,693,674	February 17, 2004	Wayaya et al.

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is believed to be filed before the mailing date of the first Office Action on the merits subsequent to the filing of an RCE in the above-identified application.

Serial No. 09/944,472

Respectfully submitted,

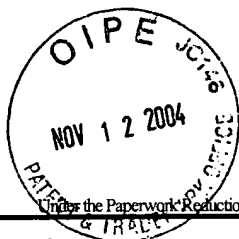
A handwritten signature in black ink, appearing to read 'Bradley B. Jensen', followed by a long horizontal line extending to the right.

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Date: November 11, 2004
BBJ/nj:dh

Enclosures: Form PTO-1449 or PTO/SB/08
Copy of documents cited

Document in ProLaw



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	09/944,472
Filing Date	August 30, 2001
First Named Inventor	James J. Howarth
Group Art Unit	2815
Examiner Name	J. Diaz
Attorney Docket Number	2269-4348US (MUEI-0547.00/US)

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-4,744,140	May 17, 1988	Bright	
		US- 5,690,504	November 25, 1997	Scanlan et al.	
		US- 5,805,427	September 8, 1998	Hoffman	
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		US- 6,693,674	February 17, 2004	Wayaya et al.	
		US-			
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		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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